PROFITAP

ComWorth
Beyond Your expectations.

Solution Brief

HIGH PERFORMANCE PACKET CAPTURE AND ANALYSIS

172... ● 172.24.15.15 -> 210....

.1 -> 216.5... ● 172.24.115.21 -> 172...

72.24.15.17 -> 104.... ● 172.24.15.15 -> 216....
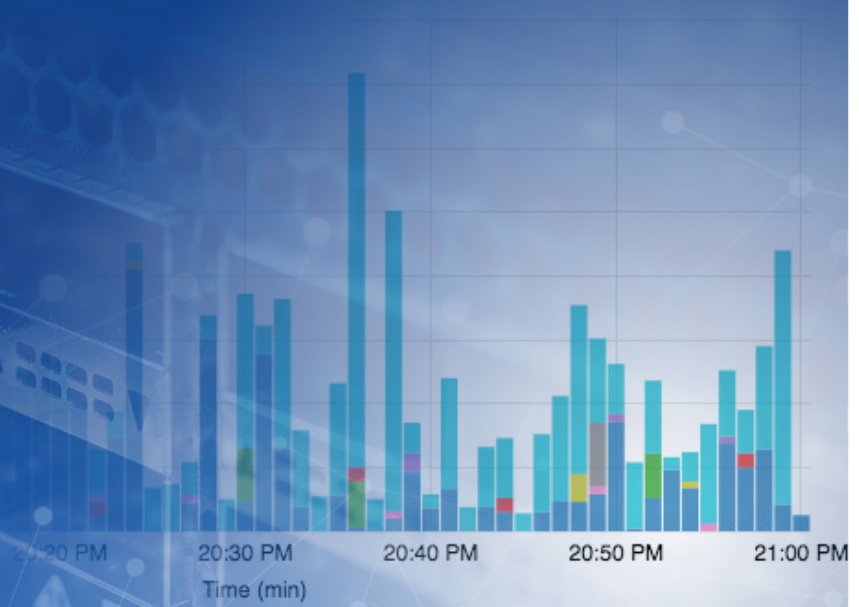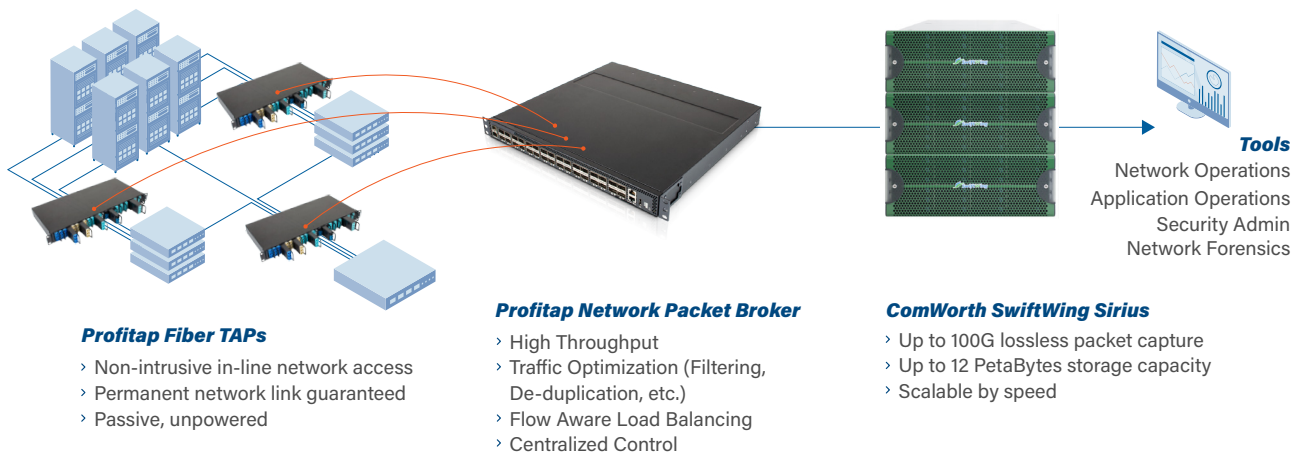
The Challenge

In today's age of digitalization and explosive growth of Information Technology, we've become reliant on well-performing and reliable networks. In order to maintain network quality and keep networks secure, we have to see exactly what is happening, where it is happening, and understand why it is happening.

However, with rapidly changing network environments, network performance challenges are also on the rise. This means that businesses and governments all around the globe are looking for solutions to actively monitor and secure against network issues.

Profitap and Comworth have joined forces to provide reliable traffic visibility and data storage for real-time and historical network analysis.

Tools
Network Operations
Application Operations
Security Admin
Network Forensics

Profitap Fiber TAPs
› Non-intrusive in-line network access
› Permanent network link guaranteed
› Passive, unpowered

Profitap Network Packet Broker
› High Throughput
› Traffic Optimization (Filtering, De-duplication, etc.)
› Flow Aware Load Balancing
› Centralized Control

ComWorth SwiftWing Sirius
› Up to 100G lossless packet capture
› Up to 12 PetaBytes storage capacity
› Scalable by speed

The Solution

How to get reliable network visibility: Network TAP

While many ways lead to Rome when it comes to packet capture, there are significant differences in performance and quality. Options such as a SPAN port on a switch have many limitations, such as dropping packets, discarding error packets, and changing the timing of packets. Especially when it comes to network analysis, the quality of the data you begin with is of the utmost importance.

To get reliable and secure access to network traffic, a network TAP is required. Profitap's innovative network TAPs offer reliable access to data without introducing points of failure. In addition, Profitap's Copper Network TAPs provide fail-safe access to the network. This ensures uninterrupted network operation in all cases, also when the power is lost. The Fiber TAPs range is fully passive.

Profitap MOD-TAP high density modular fiber TAP solution

## Managing and optimizing data flow: Network Packet Broker

Network Packet Brokers, also called Data (Network) Monitoring Switches, help intelligently manage passively tapped network data and provide the analysis tools with reliable data packets in optimized form. With Profitap's X2-Series Network Packet Brokers, traffic from all the network TAPs is filtered and aggregated before being forwarded to Comworth's Sirius NDR platform for real-time traffic analysis.

Profitap X2-3200G Next-Generation Network Packet Broker

Network packet capture: SwiftWing Sirius NDR

SwiftWing's SIRIUS provides lossless packet capture in a neutral file format that meets demands for plain network recording and capture archiving. With a large amount of network data, SIRIUS can perform packet indexing that eases filtration processes.
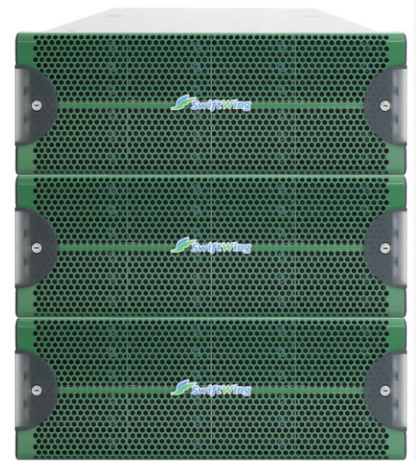

ComWorth SwiftWing Sirius NDR

Network performance analysis: SwiftWing Traemon

SwiftWing Traemon is a system providing real-time analysis and visualization of network traffic. It excels at identifying unauthorized communication and isolating flaws in the network.
Not only does it support TCP/UDP flow analysis, but it can also perform more advanced analyses — such as visualization of service usage trends and detection of abnormalities — by measuring HTTP response time (TAT) and analyzing HTTP metadata.

Traemon examines network status extensively and comprehensively, employing over 60 charts to help users visualize data about service usage traffic, TCP connection quality, TCP transfer quality, HTTP response time, HTTP metadata, etc.
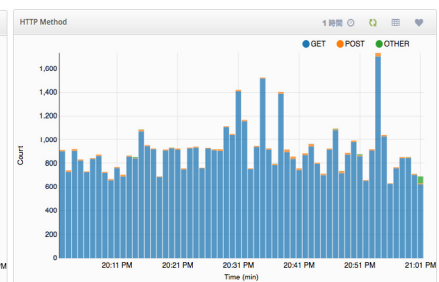When deployed in coordination with Sirius NDR, the analysis results obtained from Traemon can be used as a filter to extract network packets (captured by Sirius NDR) that are of interest to users.
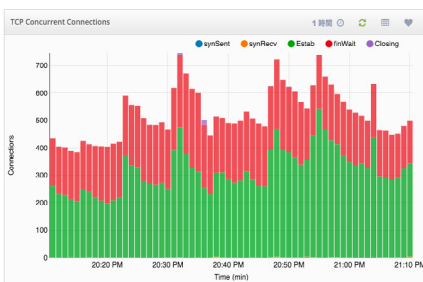
Service usage analysis
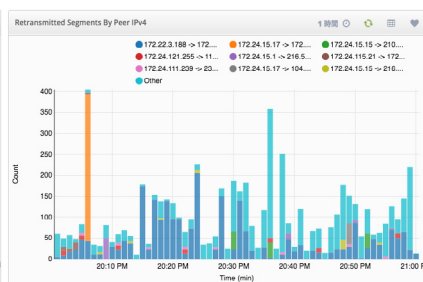
Trasmission quality

HTTP monitoring

Key benefits

Profitap's network visibility solutions combined with the SwiftWing's SIRIUS platform offer an effective way to quickly manage and optimize data flow in high availability network, including:

► Reliable, complete access and visibility across the network.

► Traffic optimization with filtering, timestamping, de-duplication and more.

► Real-time network analysis and visualization (DPI).

► High-speed data retrieval for post analysis.

► Secure RAID storage.

Conclusion

Profitap's network TAPs and Network Packet Broker solutions complement Comworth's Sirius NDR platform by providing all the data that it needs to make a complete and accurate analysis. Using this data, network engineers can monitor what is happening over the network in real-time, choose what data will be analyzed, thus they can better prevent and uncover potential threats crossing the network.

Company Information

Profitap develops and manufactures a complete range of innovative Network TAPs, Network Packet Brokers and Field Service Troubleshooters for security, forensics, deep packet capture and network performance monitoring sectors. All their network monitoring tools are highly performant and user-friendly, providing complete visibility and access to your network, 24/7. With a non-intrusive and fail-safe design, Profitap network analysis and traffic acquisition solutions send all the data to your security appliances so that your team can easily prevent and analyze cyberthreats.

https://www.profitap.com

ComWorth is an established solution provider with over 50 years of extensive experience serving customers from various industries such as telecommunications, enterprises, financial institutions, education, research and development organizations and government agencies.

ComWorth Co., Ltd., originally called Sankei Shoji Co., was incorporated in Tokyo Japan in 1965. It began as a manufacturer of diverse factory engineering equipment and accessories. Sankei Shoji was renamed ComWorth Co., Ltd. in 2001 and its business evolves to include test and measurements equipment for both telephony, data networking, network hubs, switches and media connectivity products.

https://www.comworth.com.sg

BRING CLARITY INTO YOUR NETWORKS

PROFITAP SOLUTIONS ACCELERATE NETWORK ANALYTICS AND INCIDENT RESPONSE

≡PROFI TAP

Profitap develops and manufactures network monitoring solutions that drive network visibility and analytics on all traffic across physical and virtual infrastructures. All these solutions are designed with the security, forensics, deep packet capture and network & application performance monitoring sectors in mind. Profitap's network visibility solutions provide reliable and secure traffic access, help optimize and manage data flow and assist in capturing and analyzing network data of interest. With a portfolio of high-end network packet brokers, the most diverse TAP portfolio on the market, and awardwinning ProfiShark® 1G and IOTA®, Profitap sets new standards in an industry where the definition of excellence is constantly being challenged. With more than 1,000 clients, many of which are among Fortune 500 companies, from 60 countries, Profitap has become a must-have partner.

PROFITAP HQ B.V.
HIGH TECH CAMPUS 84
5656 AG EINDHOVEN
THE NETHERLANDS

sales@profitap.com
www.profitap.com

f Profitap

t @Profitap

in Profitap-international